

# INTERNATIONAL SEARCH REPORT

International application No.

PCT/JP03/04209

**A. CLASSIFICATION OF SUBJECT MATTER**  
Int.Cl<sup>7</sup> G11B7/004, G11B20/14

According to International Patent Classification (IPC) or to both national classification and IPC

**B. FIELDS SEARCHED**

Minimum documentation searched (classification system followed by classification symbols)

Int.Cl<sup>7</sup> G11B7/004, G11B20/14, G11B7/00, G11B7/005, G11B7/26

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Jitsuyo Shinan Koho	1926-1996	Jitsuyo Shinan Toroku Koho	1996-2003
Kokai Jitsuyo Shinan Koho	1971-2003	Toroku Jitsuyo Shinan Koho	1994-2003

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

**C. DOCUMENTS CONSIDERED TO BE RELEVANT**

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	WO 00/28535/A1 (Matsushita Electric Industrial Co., Ltd.), 18 May, 2000 (18.05.00), Full text & EP 1059630 A1 & JP 2000-200418 A & TW 457476 B & CN 1288561 T	1-9
A	WO 01/33568 A1 (Matsushita Electric Industrial Co., Ltd.), 10 May, 2001 (10.05.01), Full text & EP 1229538 A1 & CN 1384965 T	1-9
P, A	JP 2002-237036 A (Hitachi, Ltd.), 23 August, 2002 (23.08.02), Full text & US 2002/0140584 A1	1-9

Further documents are listed in the continuation of Box C.

See patent family annex.

\* Special categories of cited documents:

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- "E" earlier document but published on or after the international filing date
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- "P" document published prior to the international filing date but later than the priority date claimed

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"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

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"&" document member of the same patent family

Date of the actual completion of the international search  
07 July, 2003 (07.07.03)

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22 July, 2003 (22.07.03)

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